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50-1271

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TECH CENTER 1600/2900

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: **BRENNAN, Thomas J.**

Serial No.: **10/005,168**

Filed: **December 4, 2001**

Title: **Transgenic Mice Containing Disruptions  
in Genes Encoding A2D2 Calcium Ion  
Channel Subunit Proteins**

Group Art Unit: **1632**

Examiner: **Wilson, Michael C.**

Customer No. **26619**

Docket/Order No. **R-10**

Date: **July 22, 2003**

**RESPONSE TO OFFICE ACTION**

Commissioner for Patents  
Mail Stop Non-Fee Amendments  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

In response to the Office Action mailed May 22, 2003, in connection with the above-referenced application, the Applicant requests entry and consideration of the following amendments and remarks. The Applicant submits concurrently herewith a Petition for an Extension of Time under 37 CFR § 1.136(a) for response to the Office Action for a period of one (1) month from June 22, 2003 up to and including July 22, 2003. The Commissioner is hereby authorized to charge any deficiency or credit any overpayment to Deposit Account No. 50-1271 under Order No. R-10.

01 FC:2252

145.00 DA

08/13/2003 TJOHNS04 00000004 501271 10005168

MO

08/13/2003 TJOHNS04 00000002 501271 10005168

01 FC:2251 55.00 DA

**III. Requirement for Restriction:**

In response to the Examiner's requirement for restriction in the instant Office Action, the Applicant elects, without traverse, Group II (claims 3-12 and 14-34), drawn to a cell having a disruption in an A2D2 calcium channel subunit gene, a non-human transgenic animal having a disruption in an A2D2 calcium channel subunit gene, a method of making the animal and a method of using the animal.

The Applicant respectfully requests entry and consideration of the foregoing amendments and remarks. Upon entry of the amendments, claims 3-12 and 14-34 are pending in the instant application.

Respectfully submitted,

Date: 7/22/03

Kelly L. Quast

Kelly L. Quast, Reg. No. 52,141  
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Enclosures

**CERTIFICATE OF MAILING UNDER 37 CFR 1.8**

I hereby certify that this correspondence and its listed enclosures is being deposited with the United States Postal Service as First Class Mail, postage paid, in an envelope addressed to: Commissioner for Patents, Alexandria, VA, Mail Stop Non- Fee Amendment/OIPE on July 22, 2003.

Name: Don Mixon

Signed: Don Mixon

Date: 7/22/03